18/11/2015 54,511 م برکوات Project-2 Ka=0,01 1 Kt = 10 A = 1 m2 $\frac{1}{1}$ B = 1/2 $R_a = 1$ J = 2Ka = 0.01 Kn = 0.1 (Hardware only) (Hardware only) $for \frac{\Theta(s)}{V_q(s)} = \frac{S(Las + Ra)(Js + B) + SK_{\ell} K_{b}}{S(Las + Ra)(Js + B) + SK_{\ell} K_{b}}$ $T, F = \frac{\Theta(s)}{V_{\alpha}(s)} * Kq * \frac{1}{As}$ As2 (LaS+Ra) (JS+B) + As2 K+ Kb Task-1 Olis o Black I out head Il Compensator Task 2 النفس العبر ، احتفل بال

PID PID Action present (Proportional) Cp=Kpe(t) Past (Integral) (offset)
(steay state) C = K; Se(t) Future ed = Kd de = -Kd dy (Differential)
hike headen hike head comp. (Dynamics) C = Cp + Ci + Cd PID = KpS+Ki+KaS2 task3 * Integral windup * Derivorline Kick & Search for it as PID Problem